

2. Product Specification

2-1 Product Features

Block	Specification	Core Parts	Remark
CRT	21" FLAT AK CRT	GREEN CRT	
RF Part	1TUNER F/S TUNER	TDQ-6F/13F2S	
Power	WORLD WIDE INPUT VOLTAGE RANGE STD-BY : 5W UNDER	STR-W6750F	
Video	- MULTI SYSTEM(NT/PAL) - 1H Comb Filter	TDA12005PQ, TDA12015PQ	
Audio	- Output : 5W/10W/15W X2 - BTSC/SAP STEREO : PSEUDO STEREO, TURBO PLUS	TDA12005PQ, TDA12015PQ, TDA7297SA	
Cabinet	- 21" CABINET		
Other	- BASIC MODEL : CL21M21 - UOC3 with a built-in MSP - TURBO → TURBO PLUS		

■ Core Parts Functions

- TDA12005PQ : Video/Sound Processing and MICOM (NTSC)
- TDA12015PQ : Tri-noma
- STR-W6750F : SMPS Power STR
- TDA7297SA(or 7266) : 5W ~ 15W Sound Output BTL AMP
- 24C16 : 16K EEPROM
- LA78040 : Vertical Deflection AMP
- C5936 : H-OUT S/W TR
- TDA-6F/13F2S : F/S PAL Tuner
- TDA6108AJF : R/G/B Drive AMP IC

2-2 Key Features

Model	CL21M21 / CL21M2	CL21M6	CL21T21
Voltage	AC100-240V AC120V (Mexico)	AC100-240V	AC100-240V AC120V (Mexico)
Frequency of Operation	50/60 Hz	50/60 Hz	50/60 Hz
Power Consumption	105 Watts	105 Watts	105 Watts
Dimensions (mm/inches)	605 X 490 X 463/ 23.82 X 19.29 X 18.23	582 X 481 X 456/ 22.91 X 18.94 X 17.95	694 X 783 X 506/ 27.32 X 30.83 X 19.92
Weight (Kg/ lbs)	28.0/61.73	29.0/63.93	29.0/63.93

■ Hardware Configuration

- 1 Chip : UOC3 TDA12005PQ(CHROMA, IF+Deflection, MICOM, MSP)
- Tuner : TDA-6F/13F2S
- SOUND AMP : TDA7297SA(ZIP, 15P, -, DUAL, 32dB, PLASTIC, 20V, 30W)
- SMPS Controller : STR-W6750F(6P, TO-3P-F7L)
- Vertical AMP : LA78040(TO220, 7P, 15V)
- Flyback Trans : FOK14B001(11P, 27KV)
- CRT : A51QDX993X(A) (AK, 1H Single Focus)

■ Software Configuration

- MCU : 80C51-controller core
- Data Capture for US Closed Caption
- 0.4883s machine cycle

■ Picture

- Enhance : DNle Jr.(Digital Natural Image Engine)
- System : NTSC3.58
- Interlaced(60Hz)
- AKB(Auto Kinetic Bais)
- Comb Filter : 1H Comb Filter
- 4:3/Zoom

■ Sound

- BTSC/SAP-STEREO
- Output : 5/10/15W X 2CH
- Auto Stereo, Sound Equalizer, Auto Mute, Auto Volume Limit, PSEUDO STEREO, TURBO PLUS

■ Feature

- Composite (RCA A/V, DVD), S-Video(Y/C)
- Picture Size : Zoom/4:3
- Auto Serch
- Sleep Timer : 180 Min
- Clock Setting
- Blue Screen, Melody On-Off, Picture Mode Select

■ In/Out Terminals

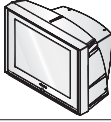
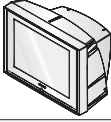
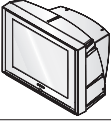
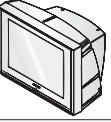
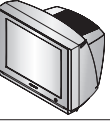
- Rear : 2RCA/DVD/S-VHS
- Front or Side A/V Input(Side A/V Preferability)

■ Remocon

- Universal Interface TM75

■ Power Consumption : 105W

2-3 Specifications Analysis

Model		CL-21M21PQ	CL21M21EQ2XXAX / CL-21T21EQ	CL-21M21MQ / CL-21M2MQ	CL21M21MQ2XXAZ	CL21M6MQ2X/XAZ
Chassis		KS7A	K16A	K16A	K16A	K16A
Design						
Picture	Screen Size	21"	21"	21"	21"	21"
	Pure Flat CRT	○	○	○	○	○
	DNle Jr.	○	○	○	○	○
	Comb Filter	4H	4H	4H	4H	4H
	Velocity Modulation	×	×	×	×	×
	Video Noise Reduction	○	○	○	○	○
	Auto Kinetic Bias	○	○	○	○	○
	Color Tone Control	○	○	○	○	○
	Tilt Control	×	×	×	×	×
	Picture Mode	4 Mode	4 Mode	4 Mode	4 Mode	4 Mode
Sound	MTS/SAP	○	○	○	○	○
	Output Power(RMS)	15W x 2	15W x 2	15W x 2	7.5W x 2	5W x 2
	Tweeter	×	×	×	×	×
	BBE	×	×	×	×	×
	Surround	Surround	Surround	Surround	Surround	Surround
	Sound Mode	5 Mode	5 Mode	5 Mode	5 Mode	5 Mode
	Graphic Equalizer	×	×	×	×	×
	Sub-Woofer Speaker	×	×	×	×	×
	Auto Volume Leveler	○	○	○	○	○
	Melody On/Off	○	○	○	○	○
Convenience	Turbo Sound	○	○	○	○	○
	PIP	1T (Optional)	1T (Optional)	1T (Optional)	×	×
	Plug & Play	○	○	○	○	○
	Zoom Mode	○	○	○	○	○
	OSD Demo	○	○	○	○	○
	OSD Language	E/F/S	E/F/S	E/F/S	E/F/S	E/F/S
	Previous Channel	○	○	○	○	○
	Closed Caption	○	○	○	○	○
	On/Off Timer	○	○	○	○	○
	Sleep Timer	○	○	○	○	○
	Auto Power Off	○	○	○	○	○
	Clock	○	○	○	○	○
	Channel Scan	×	×	×	×	×
	Self-diagnostic System	○	○	○	○	○
	Remote Control	TM76	TM75	TM75	TM75	TM75
	Remote Surf	○	○	○	○	○
	Channel Labelling	○	○	○	○	○
	Blue Screen	○	○	○	○	○
	Rack	×	×	×	×	×
Voltage	Voltage	AC100-240V AC120V (Mexico)	AC100-240V AC120V (Mexico)	AC100-240V	AC100-240V	AC100-240V
	Stand-by	under 3W	under 5W	under 5W	under 5W	under 5W
Jacks	RF Input	R1	R1	R1	R1	R1
	A/V Input	S1/R2	S1/R2	S1/R2	S1/R2	S1/R2
	Monitor Output	R1	R1	R1	R1	R1
	S-VHS Input	R1	R1	R1	×	×
	Headphone	S1	S1	S1	S1	S1
	DVD Input	○	○	○	○	○
	PC Input(VGA)	×	×	×	×	×

2-4 Accessories

Accessories		Item	Item code	Remark
Supplied Accessories		Remote Control AAA Alkaline Battery (2)	AA59-00316F 4301-000103	Samsung Service center
		Owner's Instructions	AA68-03671C	
		Warranty Card	AA68-03533A	
Accessories that can be purchased additionally		Video Cable / Audio Cable	-	Internal shopping mall
		Antenna Cable	-	
		Component Cable	-	